

### ABSTRACT OF THE DISCLOSURE

In a method for computed tomography and a computed tomography apparatus for scanning a subject with a conical ray beam emanating from a focus that detects a matrix-like detector array, the focus is moved relative to the subject on a spiral path around a system axis, and the detector array supplies output data corresponding to the incident radiation, and images having an inclined image plane are reconstructed from output data respectively supplied during the movement of the focus on a spiral segment, the image planes of these images are inclined by an inclination angle  $\gamma$  around a first axis intersecting the system axis at a right angle and also are inclined by a tilt angle  $\delta$  with respect to the system axis around a second axis that intersects the first axis as well as the system axis at a right angle.